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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/464,161	12/16/1999	SHINICHIRO GOMI	450100-02228	7195

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EXAMINER

NGUYEN, KEVIN M

ART UNIT

PAPER NUMBER

2674

DATE MAILED: 12/13/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/464,161

Applicant(s)

GOMI ET AL.

Examiner

Kevin M. Nguyen

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 September 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Continued Prosecution Application

1. The request filed on 9/24/2002 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 09/464,161 is acceptable and a CPA has been established. An action on the CPA follows:

Drawings

2. The corrected or substitute drawings were received on 9/24/2002. These drawings are approved.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 1-4 and 9 are rejected under 35 U.S.C. 102(e) as being anticipated by Fukuda et al (US 6,323,839).

As to claims 1 and 4, Fukada et al teach the presentation associate the method, the presentation includes a TV camera 11 (capture device), a screen 16 (including a first image area and a second image area as claimed), a projector 13 and a laser pointer 15 (figure 3, col. 4, lines 10-25)

controller extracts the changed image area from the input visible image, and detects a point position based on the changed image area (extract means as claimed, abstract)

a position (coordinate) where the laser light has started going on an off is detected, a function table as shown in figure 4 is referred to, and which button includes the coordinates of the laser-pointed position is retrieved (position determination means as claimed, col. 4, lines 32-36)

the presenter 30 irradiates the laser beam from the laser pointer 15 to a function button 161 with label next in the projected image page1, then turns on and off laser light on the function button 161 (blinking pattern of the bright point as claimed, col. 4, lines 26-29).

As to claim 2, Fukuda et al teaches the laser light on the function button 161 (the position determination means). Button 161 includes the coordinates of the laser-pointed position is retrieved. The button "NEXT" of the image "PAGE 1" is retrieved (a first image as claimed), so that a function "PageNext" is read, then the display is changed over the next page image (page 2, a second image as claimed, figure 3, col. 4, lines 27-39).

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As to claim 3, Fukuda et al teach the first embodiment employs a laser pointer to provide a change in the displayed image. In this embodiment, a pointing rod is used in place of the laser pointer 15. That is, in the second embodiment, the CPU 12 detects an end point of a changed image area and determines the coordinates of the end point as a designation position. FIG. 14 shows an image displayed on the screen and a pointing rod 141 pointing a desired position of the image. FIG. 14 also shows an image inputted by TV camera 11. In this case, the image area changed by being pointed by the pointing rod 141 is detected as a rectangular area having a diagonal line defined by opposite-angle points Q and R (by the above-described processing in FIG. 6). To obtain designated coordinates, it is necessary to obtain an end point of the pointing rod 141. FIG. 15 is a flowchart showing processing procedure according to the second embodiment for detecting the end point. FIG. 15 is employed in place of the area coordinate detection procedure shown in FIG. 7 (col. 7, lines 34-51).

As to claim 5, Fukuda et al teach the storage medium, such as a floppy disk, a hard disk, an optical disk, a magneto-optical disk, CD-ROM, CD-R, a magnetic tape, a non-volatile type memory card, and ROM that can be used for providing the program codes (col. 9, lines 1-4)

the presentation includes a TV camera 11 (capture device), a screen 16 (including a first image area and a second image area as claimed), a projector 13 and a laser pointer 15 (figure 3, col. 4, lines 10-25)

controller extracts the changed image area from the input visible image, and detects a point position based on the changed image area (extract means as claimed, abstract)

a position (coordinate) where the laser light has started going on an off is detected, a function table as shown in figure 4 is referred to, and which button includes the coordinates of the laser-pointed position is retrieved (position determination means as claimed, col. 4, lines 32-36)

the presenter 30 irradiates the laser beam from the laser pointer 15 to a function button 161 with label next in the projected image page1, then turns on and off laser light on the function button 161 (blinking pattern of the bright point as claimed, col. 4, lines 26-29).

As to claim 9, Fukuda et al teach the presentation which includes a TV camera 11 (capture device), a screen 16 (including a first image area and a second image area as claimed), a projector 13 and a laser pointer 15 (figure 3, col. 4, lines 10-25)

controller extracts the changed image area from the input visible image, and detects a point position based on the changed image area (extract means as claimed, abstract)

a position (coordinate) where the laser light has started going on an off is detected, a function table as shown in figure 4 is referred to, and which button includes the coordinates of the laser-pointed position is retrieved (position determination means as claimed, col. 4, lines 32-36)

the presenter 30 irradiates the laser beam from the laser pointer 15 to a function button 161 with label next in the projected image page1, then turns on and off laser light on the function button 161 (blinking pattern of the bright point as claimed, col. 4, lines 26-29)

the presenter 30 makes an explanation about the projected image (reference). The projected image is immediately stored into the main memory 14 via the TV camera 11 under the control of the CPU 12. In the progress of presentation, the reference image partially changes as the presenter 30 manipulates the laser pointer 15 to irradiate a laser beam onto the screen 16, and the TV camera 11 inputs the changed image. The CPU 12 detects the change of the image by comparing the image previously stored in the main memory 14 with the image inputted from the TV camera 11, and performs control based on the detection result (combination means as claimed, col. 4, lines 15-25).

Response to Arguments

5. Applicant's arguments with respect to claims 1-4 and 9 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Kevin M. Nguyen** whose telephone number is **703-305-6209**. The examiner can normally be reached on MON-THU from 9:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reached on **703-305-4709**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

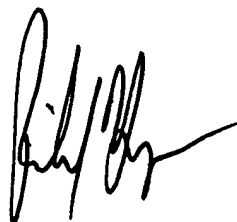
or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Kevin M. Nguyen
Examiner
Art Unit 2674



RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600